Application No.: 09/818,697   Docket No.: JCLA7157

In The Claims:

Claim 1. (Currently amended) A method of operating a matched filter of a point access memory (PAM) with variable lengths, the steps of ~~the~~ method comprising:

sequentially receiving and storing a plurality of sample data from a received signal; and

shifting a storage position of a PN sequence according to a storage position of the sample data.

Claim 2. (Original) The method of claim 1, wherein the sample data are stored according to their sequence without shifting their storage positions.

Claim 3. (Currently amended) A method of operating a matched filter of a point access memory (PAM) with variable lengths, the matched filter comprising ~~suitable for~~ a first data storage region ~~for storing data to store a received signal and for the matched filter to store a PN sequence in a storage region for reference values~~ and a second region for storing reference values, ~~wherein the received signal comprises a plurality of sample data~~, the method comprising:

receiving a signal comprising a plurality of sample data;

storing ~~each~~ the sample data sequentially in the first data storage region;

storing a PN sequence in the second region for storing reference values;

shifting the PN sequence in the second region ~~storage region for reference values~~ to a ~~corresponding~~ position corresponding to the sample data in the first region, when all the sample data is stored in the first data storage region; and

performing a matching operation to match ~~all the~~ each stored sample data ~~and~~ with the PN sequence ~~that are positioned~~ stored in the corresponding position in the second region.

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